Setting Up ISDE Environment – Install LiveCD to Hard Disk for Windows

Contents

Introduction

The purpose of this tutorial is to instruct ARM VAP/Ingest Developers how to configure the local LiveCD to be installed persistently on a Windows machine local disk. The LiveCD provides access a pre-built ISDE environment configured on an ISO image and its state does not get automatically saved to disk. This process will provide developers to have an installation locally installed and whose state is automatically saved.

Tutorial Objectives

By the end of this tutorial you should have a basic understanding how to install the local LiveCD to hard disk .

Intended Audience

This tutorial is provided for the benefit of ARM VAP/Ingest Developers or any ARM users wanting to run existing VAPs/Ingests in ISDE from their desktop.

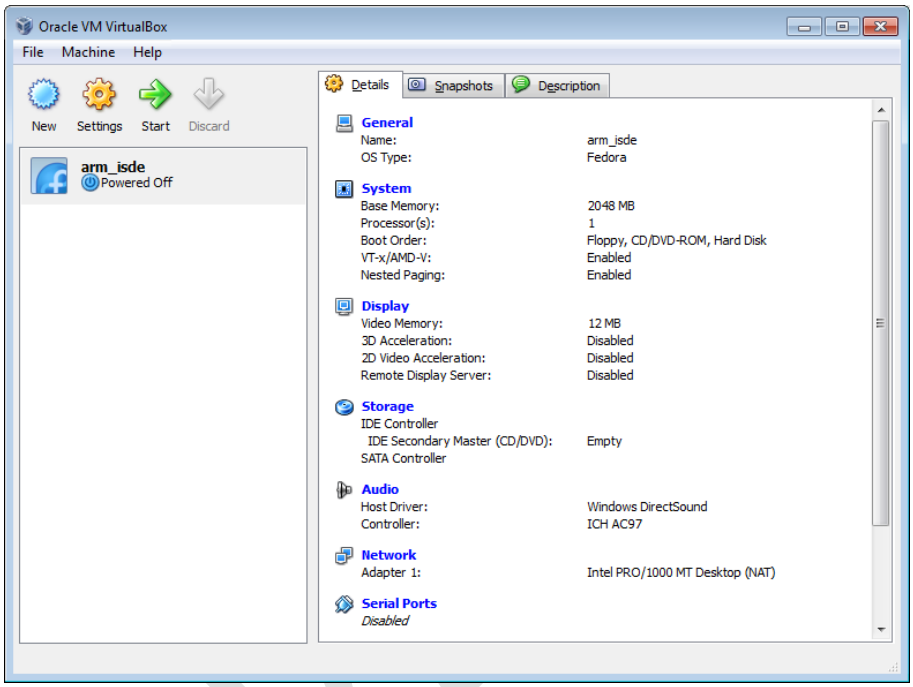
Prerequisites

- Prior to this tutorial, you must follow the directions for the Live CD installation .
- A system with at least 2GB of available memory at the time of installation (at least 4GB total memory).
- At the time of installation at least 10GB of memory, if this installation requires data to be save persistently a minimum of 40GB is preferred.

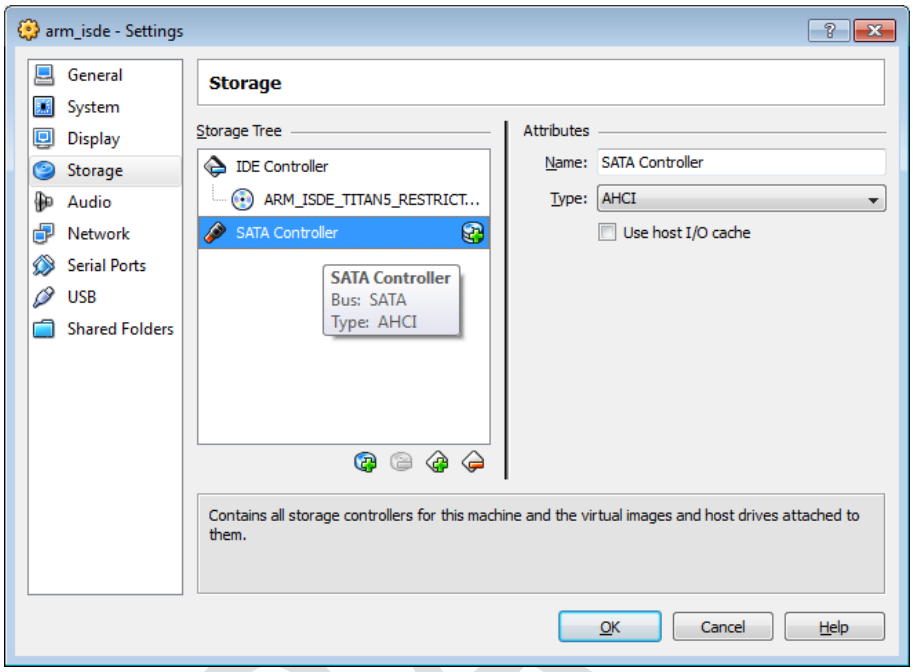
Comment [S1]: Add relative link to SetupLocalISDEInstallLiveCDWin.pdf here

Tutorial

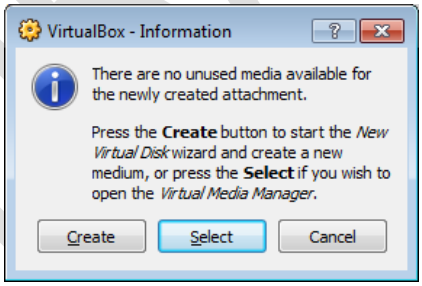
1) Start VirtualBox, highlight your virtual machine, and click on the Settings button.



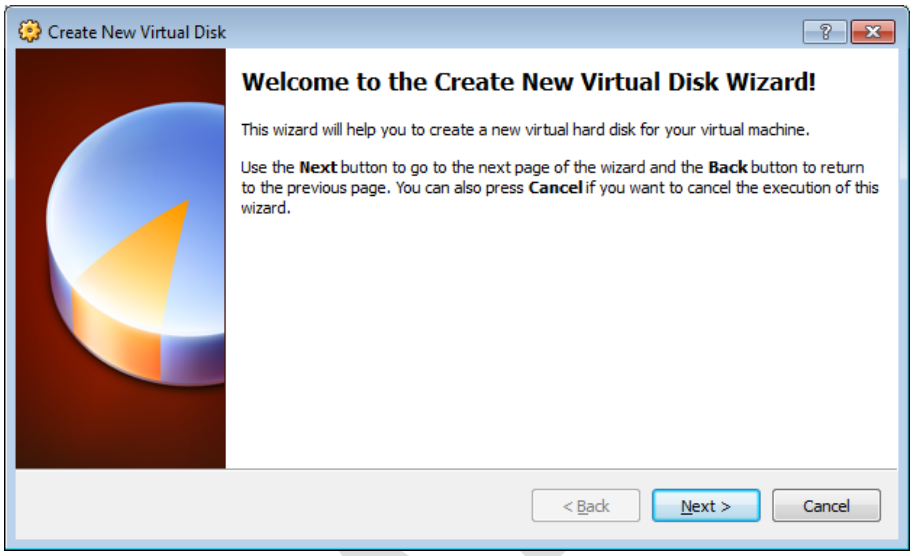
8) Click on the Storage button in the left pane and click on the “SATA Controller”. When the Disk icon appears to the right of “SATA Controller” click on the disk.



9) If multiple pre-defined disks appear keep clicking on the SATA Controller disk icon until you receive this dialog. Click on the "Create" button.

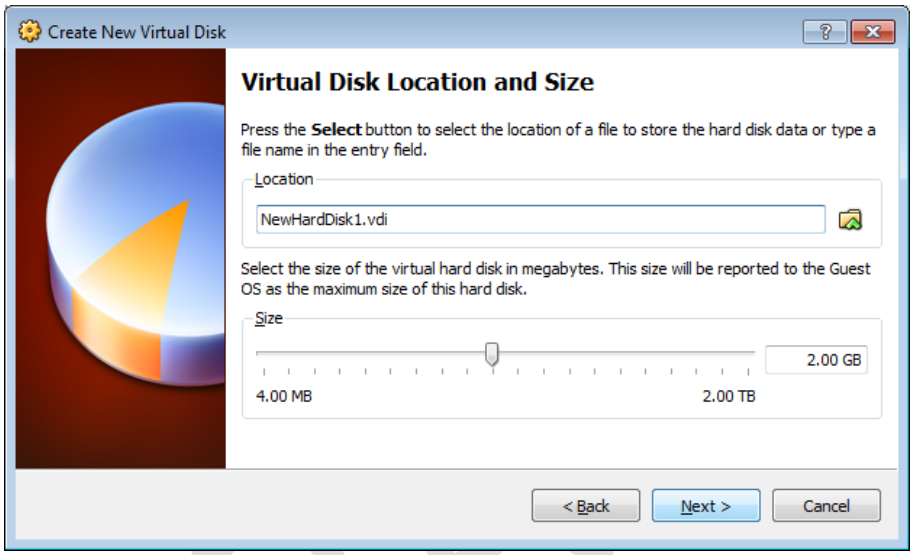


10) Click on the "Next>" button.



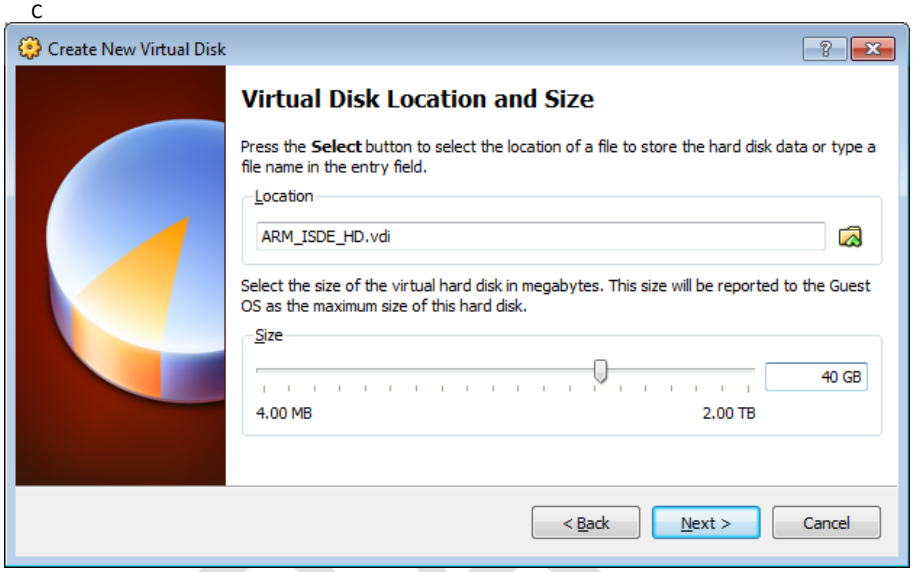
11) Click on the “Next>” button.

12) Rename the virtual disk e.g. ARM_ISDE_HD.vdi and change the disk size to at least 40GB. Setting the disk size to 40GB does not mean that you will ever use this amount of storage. Disk storage is configured to grow dynamically and will initially be relatively small. Setting the disk size too small creates problems later if the VM root directory is not proportionally big enough.

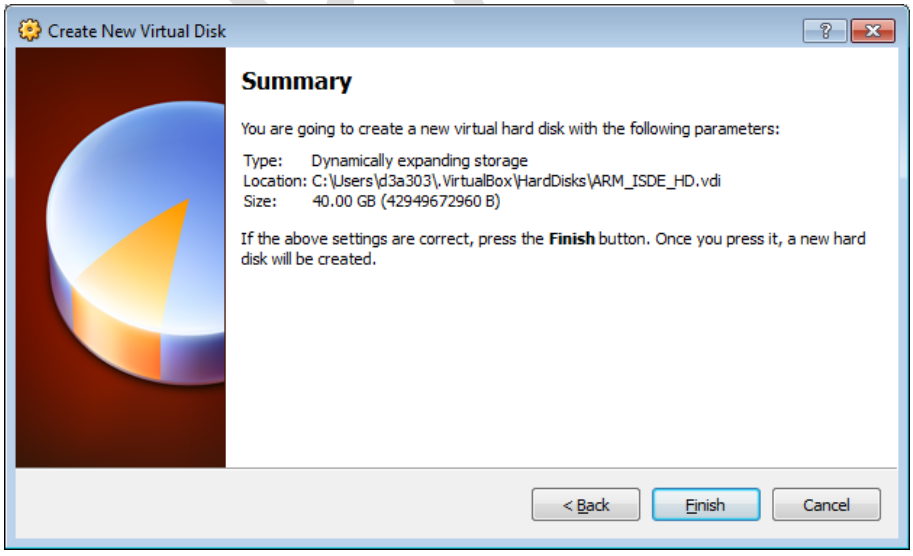


13) Click on the “Next>” button.

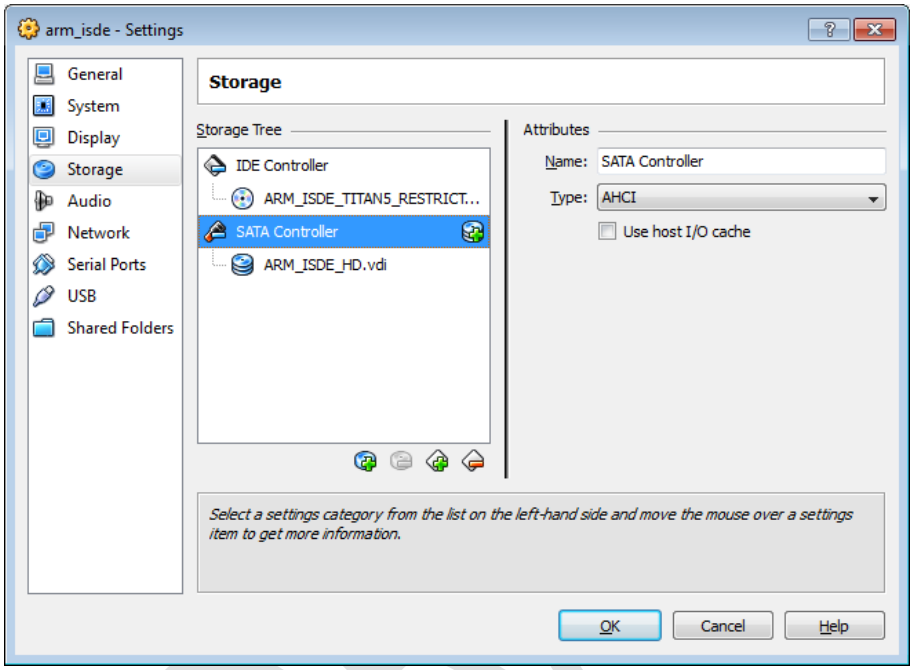
C



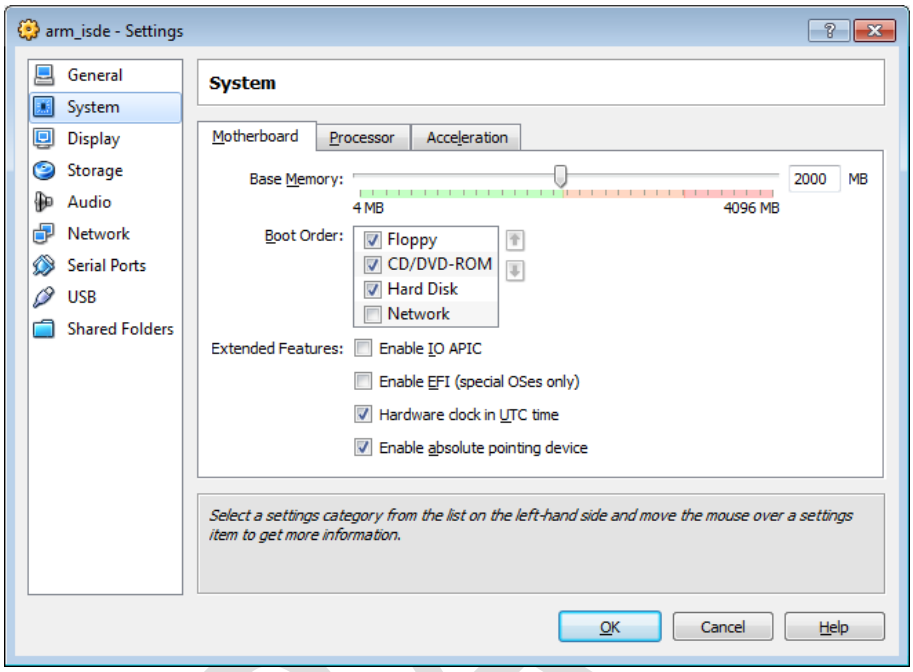
14) Click on the “Finish” button.



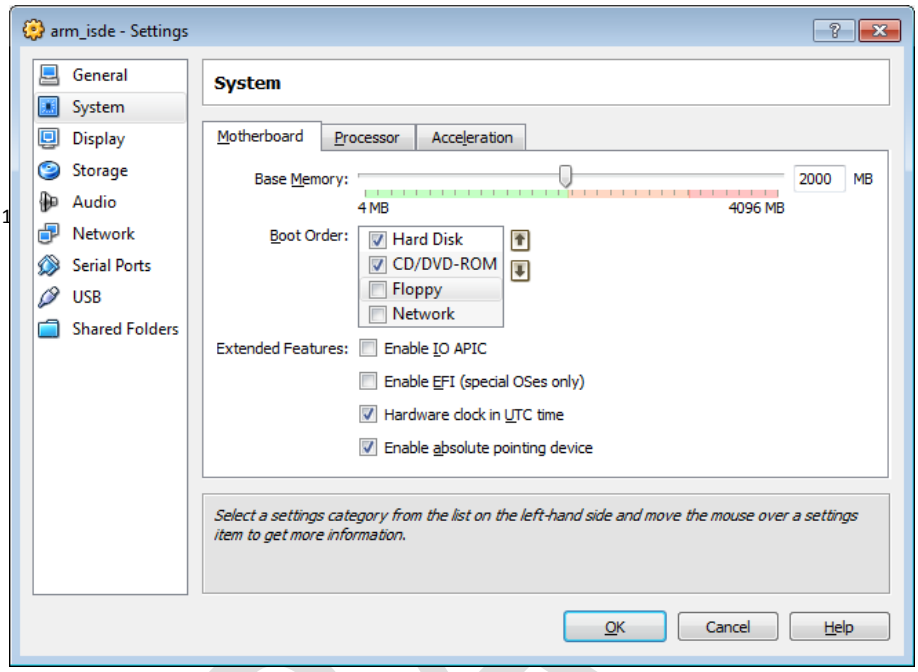
15) Under the SATA Controller check to see if any other drives appear other than the one you created. Release them from your virtual machineby a right mouse click. When only your newly created hard drive appears un the SATA Controller click the “OK” button.



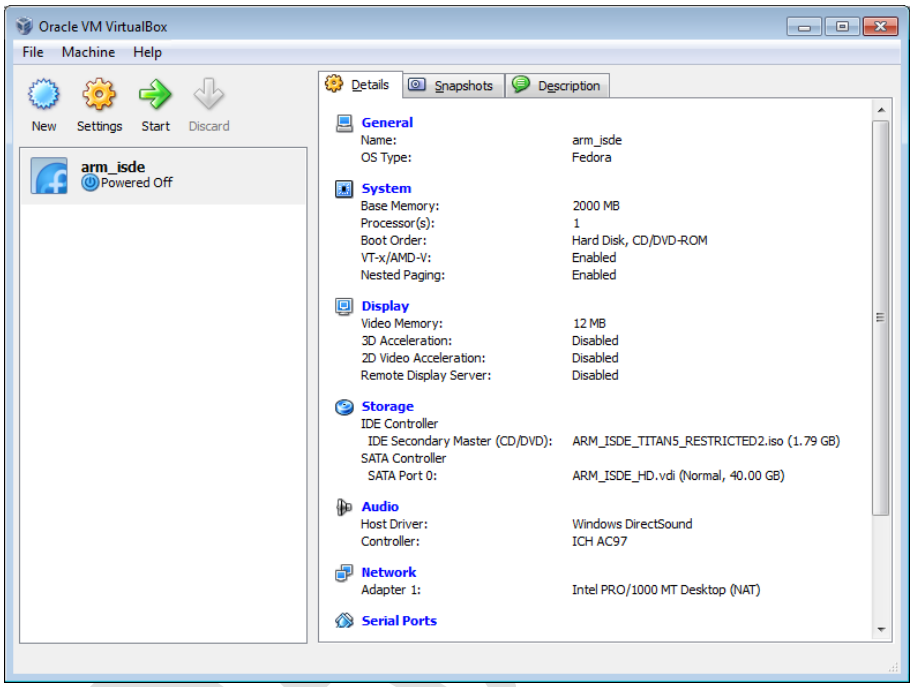
16) Click on the “System” button in the left pane to set up the boot order.



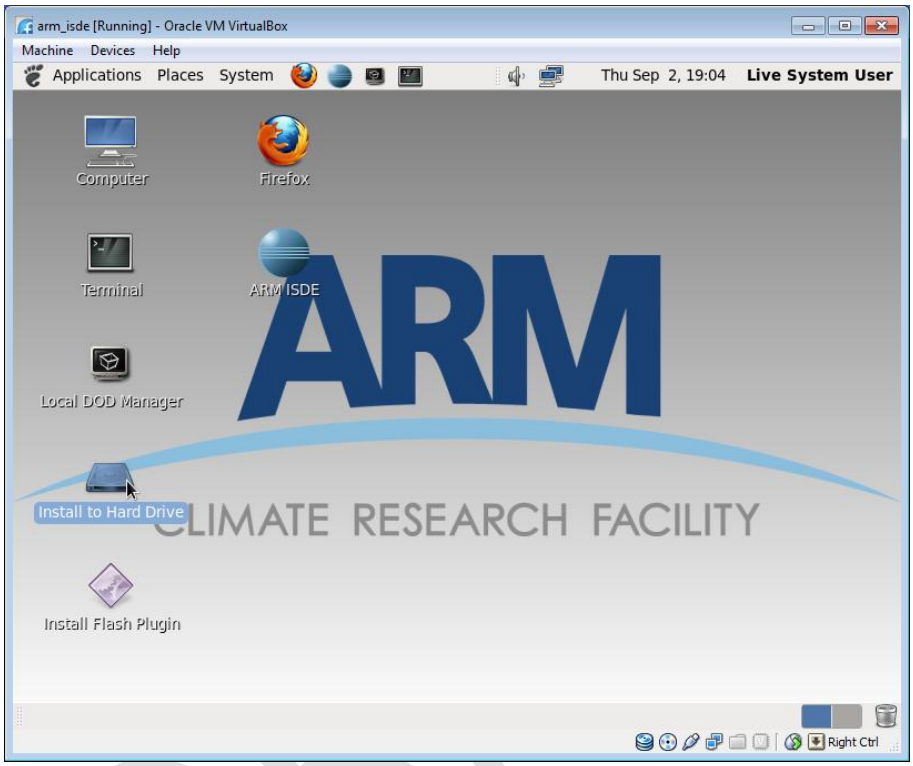
17) Click on the up/down arrows to set the boot order as shown below with the "Hard Disk" above the CD/DVD-Rom. Make sure "Hard Disk" and "CD/DVD-ROM" are checked. Click the "OK" button when finished. Note: This step may save some trouble in the future. When we reboot the system, because nothing has been saved, the installation will default to the LiveCD, once the Hard Drive installation process has been completed, you will by default start on the Hard Drive as opposed to mistakenly starting up on the LiveCD.


arm_isde - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
System
Motherboard
Processor
Acceleration
Base Memory:
2000
MB
4 MB
4096 MB
Boot Order:
Hard Disk
CD/DVD-ROM
Floppy
Network
Extended Features:
Enable IO APIC
Enable EFI (special OSes only)
Hardware clock in UTC time
Enable absolute pointing device
Select a settings category from the list on the left-hand side and move the mouse over a settings item to get more information.
OK
Cancel
Help

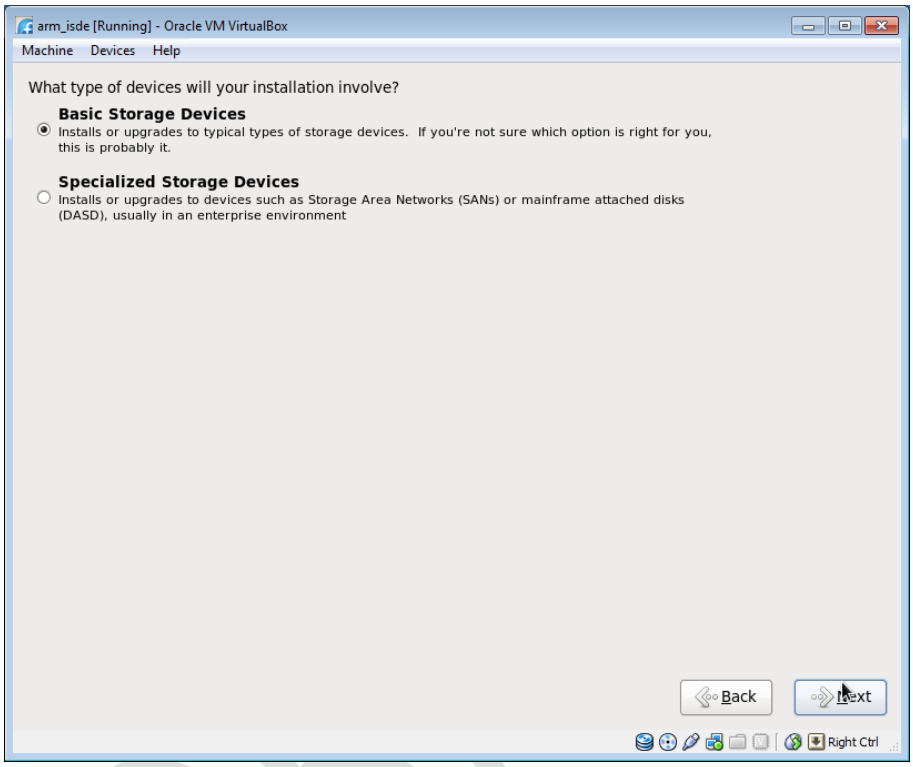
19) Click on the “Start” button.



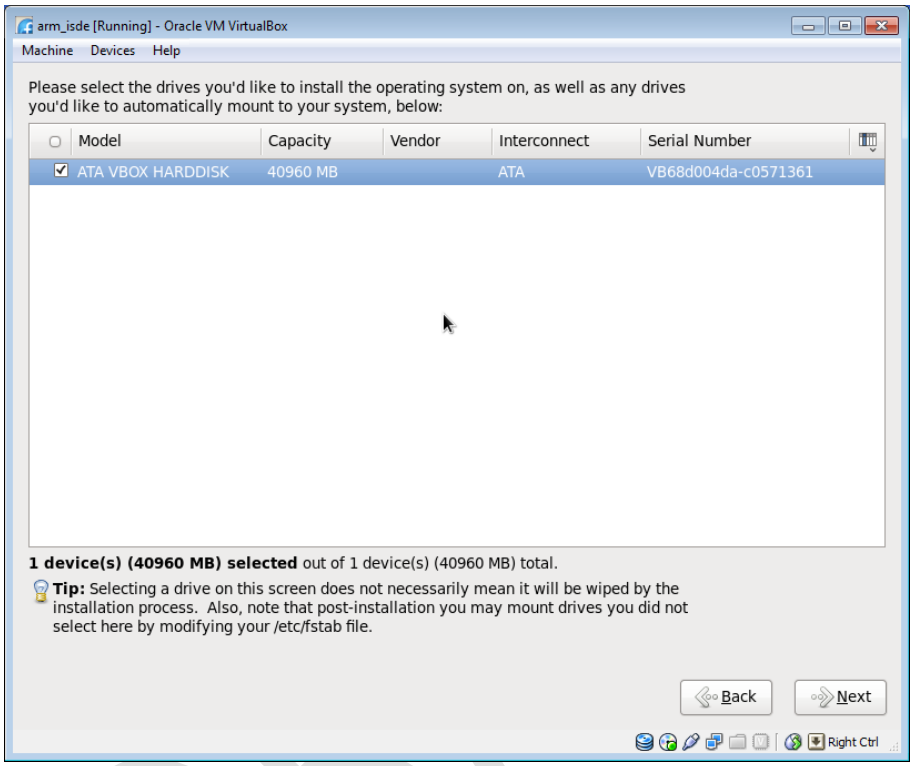
20) After the LiveCD boots up, cancel Eclipse and double click on “Install to Hard Drive” to begin the process of configuring a persistent local copy of the LiveCD configuration.



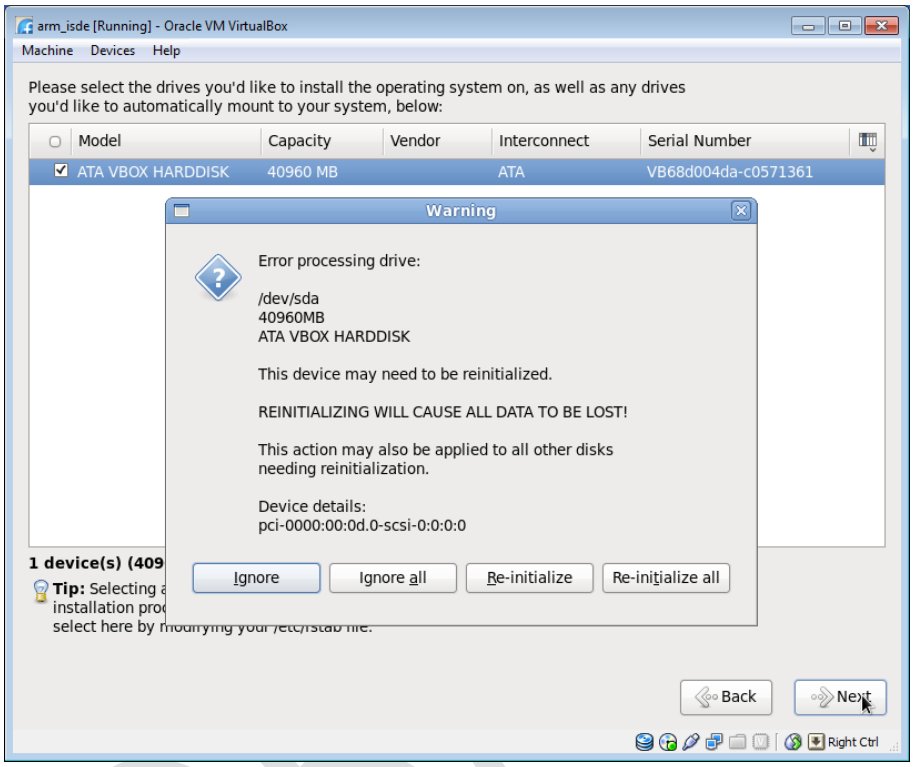
21) A blue screen will appear. Click on the “Next” button, verify your keyboard language, click on “Next”, then make sure “Basic Storage Devices” is selected and click on the “Next” button.



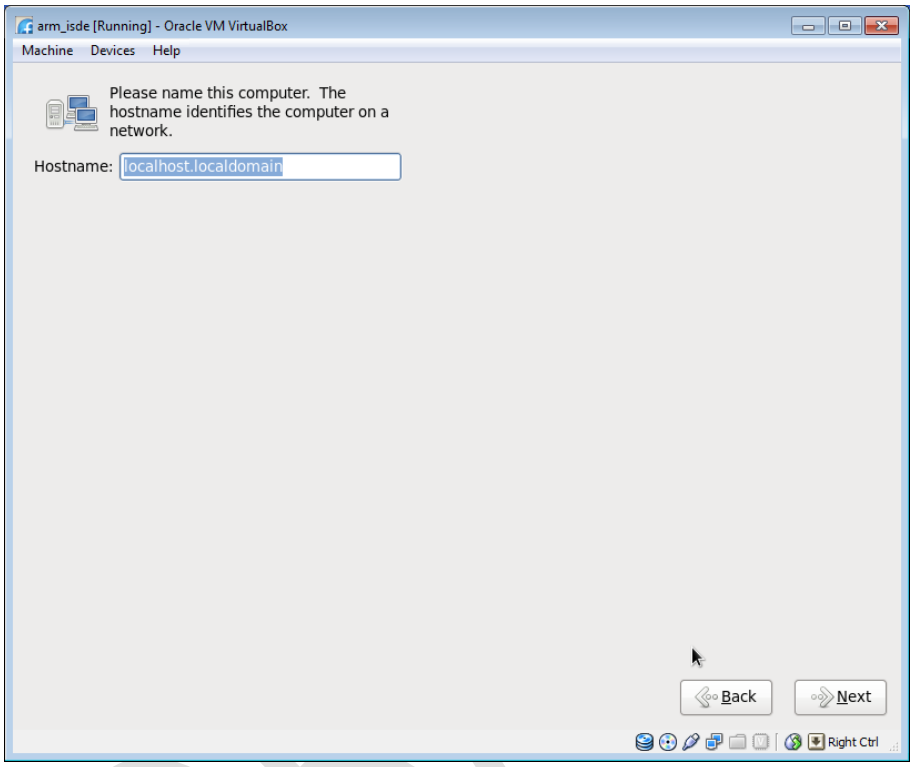
22) Check the harddisk (there should only be one disk) and click on the “Next” button.



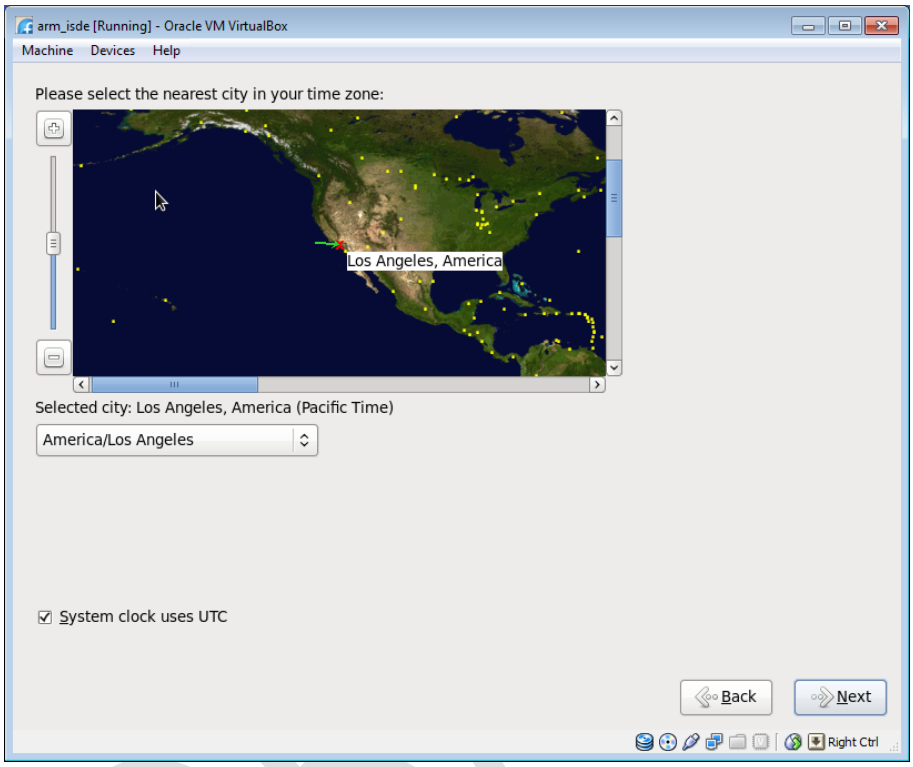
23) A Warning dialog will appear, click on the “Re-initialize” button.



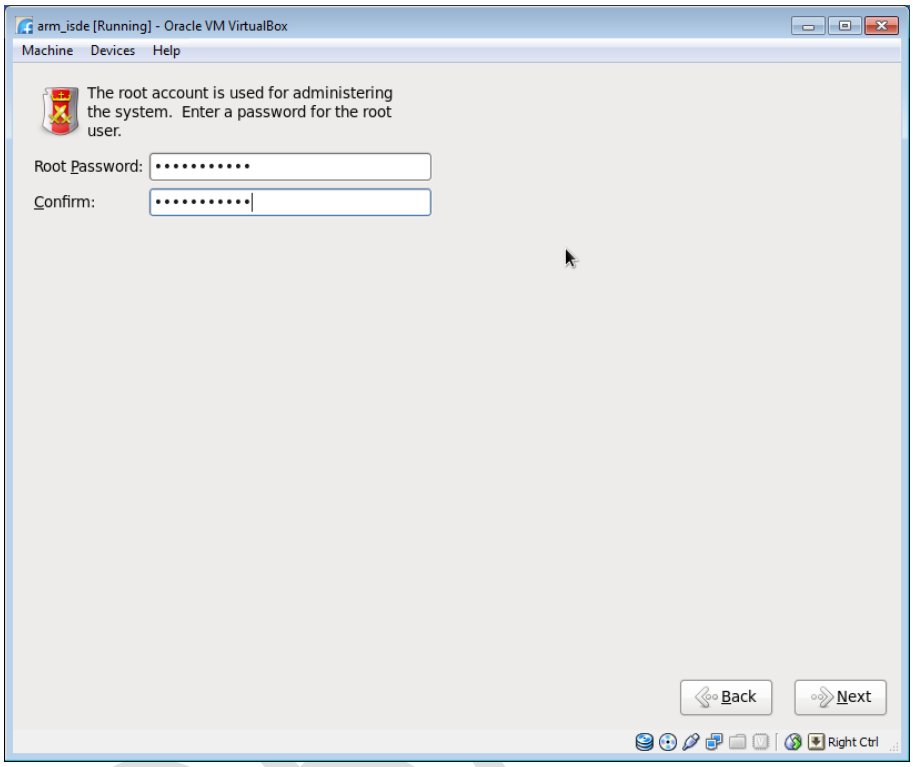
24) Click on the “Next” button.



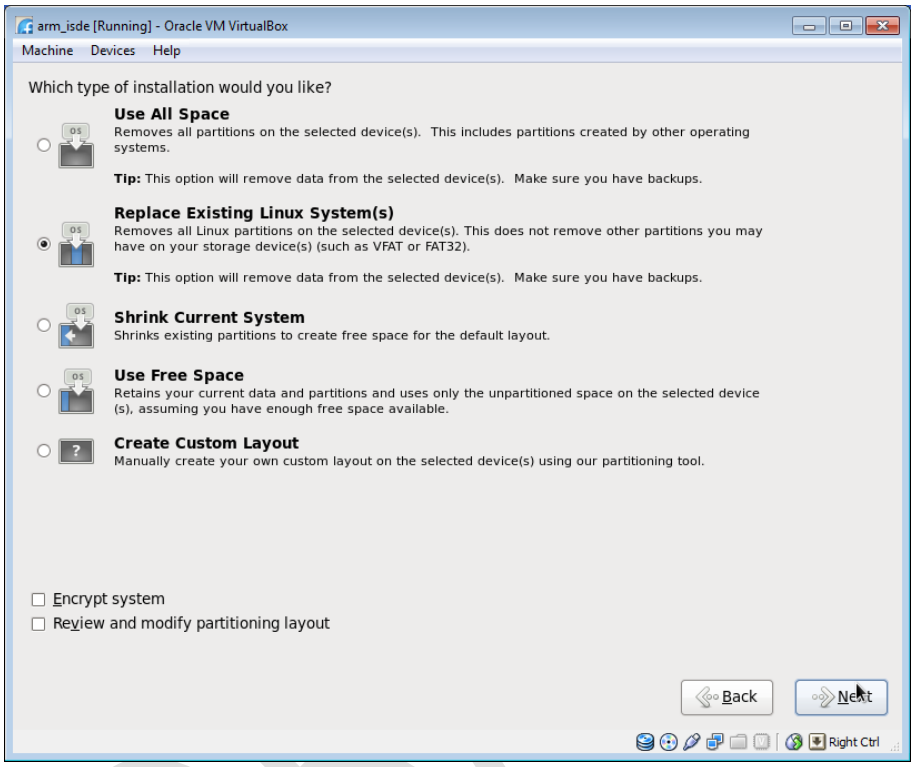
25) Select your time zone either by clicking on the map of a locale in your time zone or by selecting a city in the combo box. Click on the “Next” button.



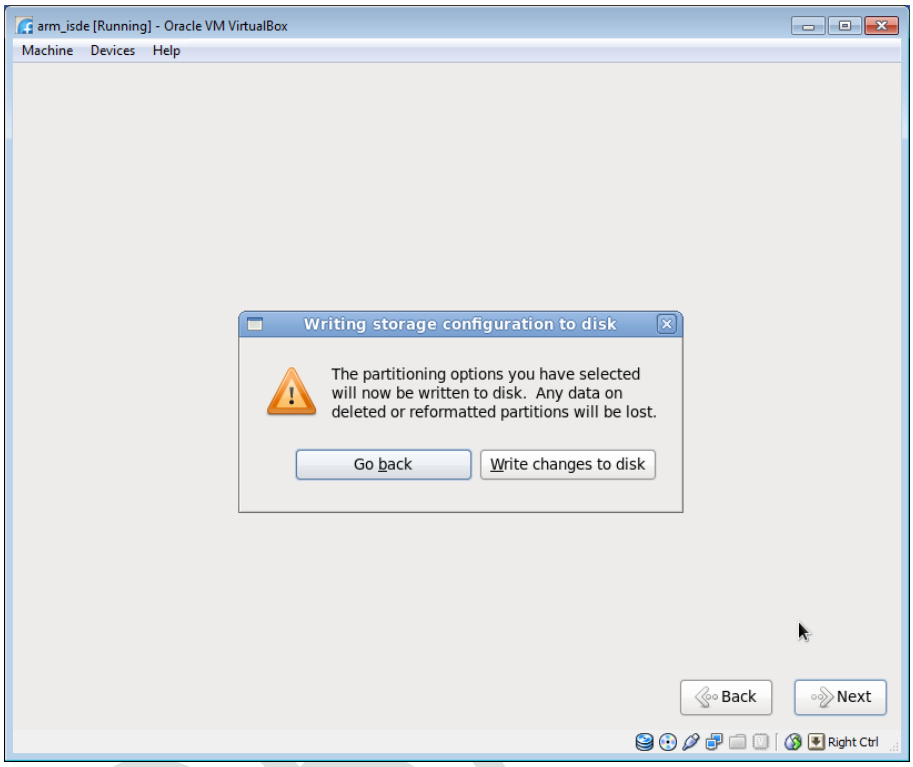
26) Select and remember a root password for administrative activities. Remember there is no way to recover this password if lost. Click on the "Next " button.



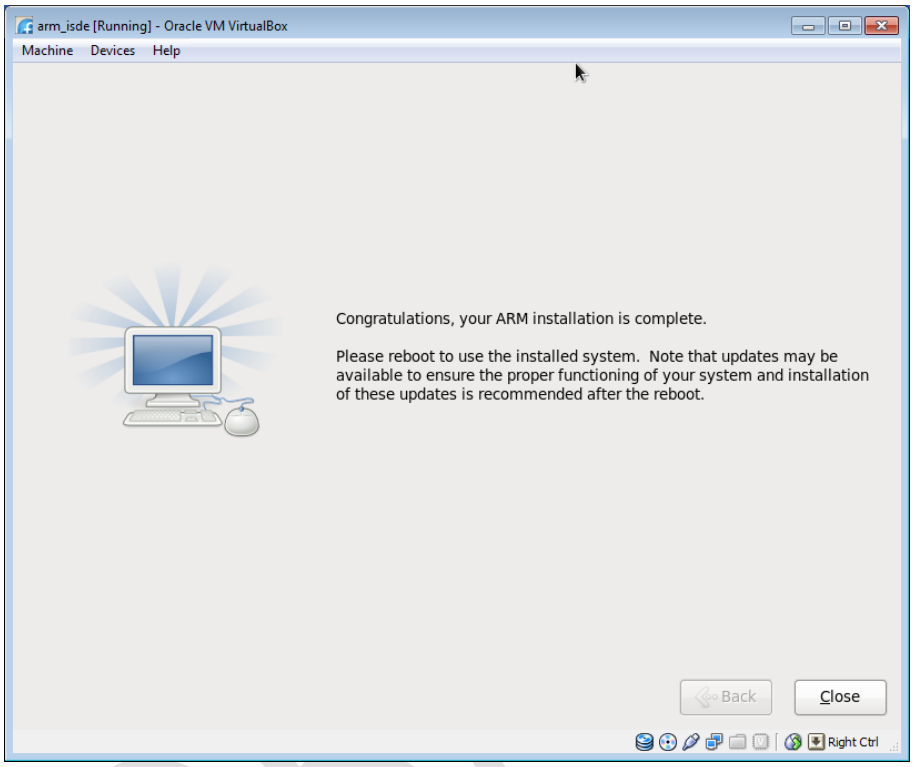
27) Choose “Replace Existing Linux System(s). Click on the “Next button.



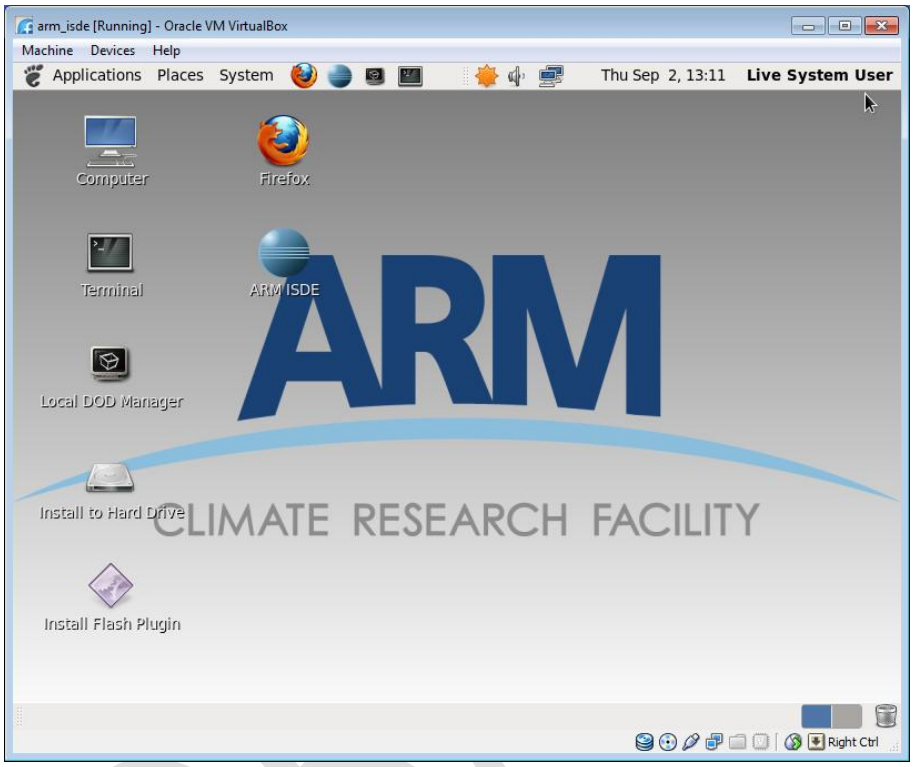
28) A dialog will appear, click on “Write changes to disk” to begin the installation. This process may take ½ hour to an hour do not disrupt this process until it is finished.



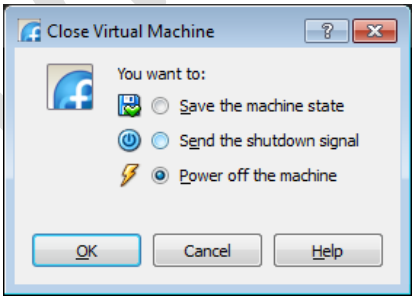
29) When completed the following message will appear. Click the “Close” button.



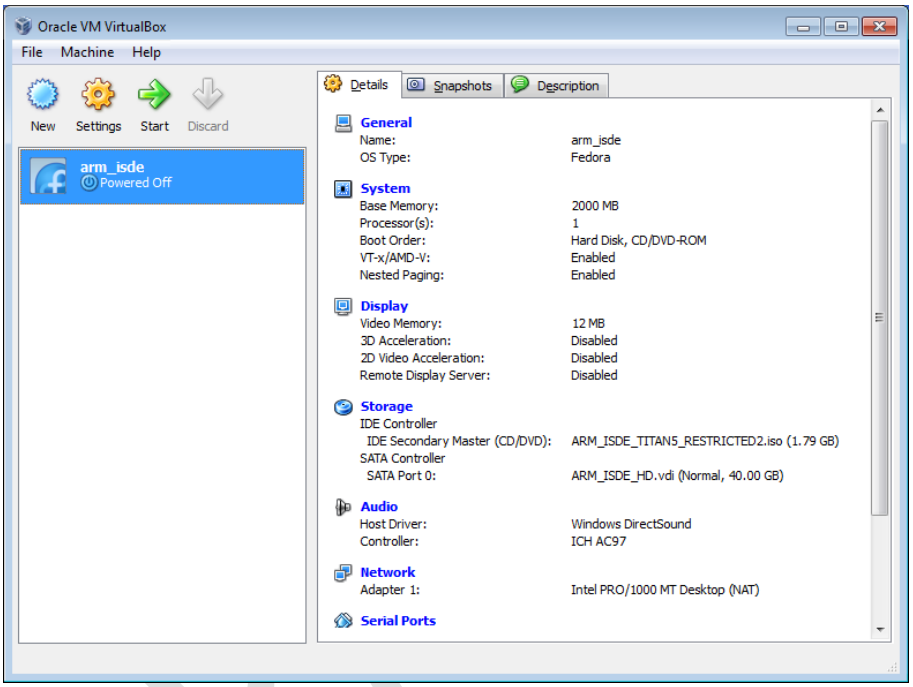
30) Click on the “X” button at the upper right hand corner of your virtual machine.



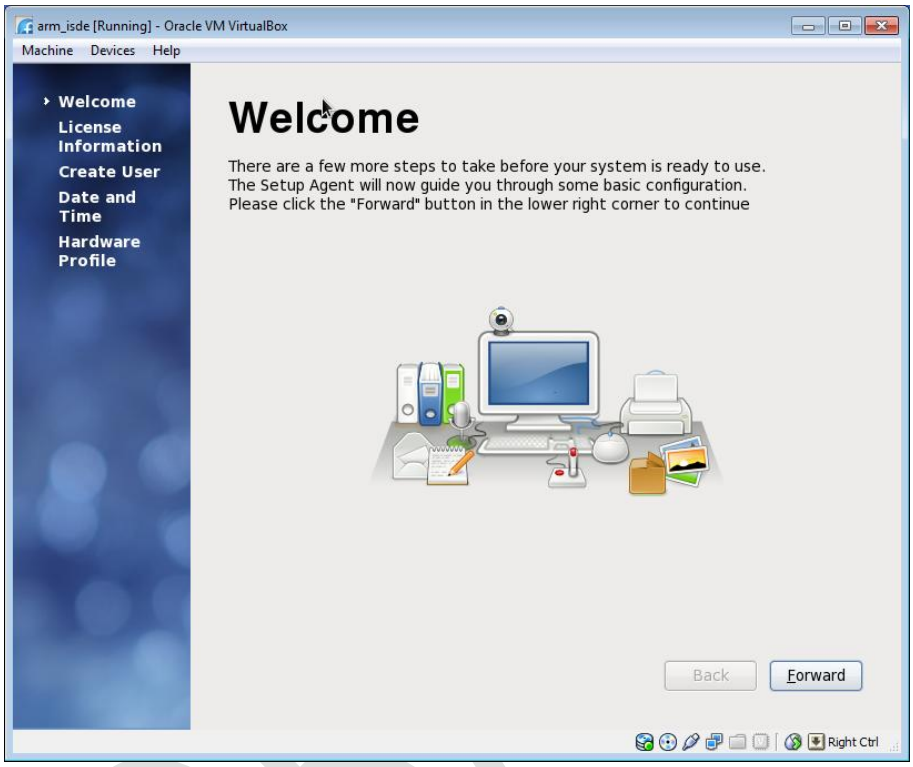
31) Select “Power off the machine. Click on the “OK” button.



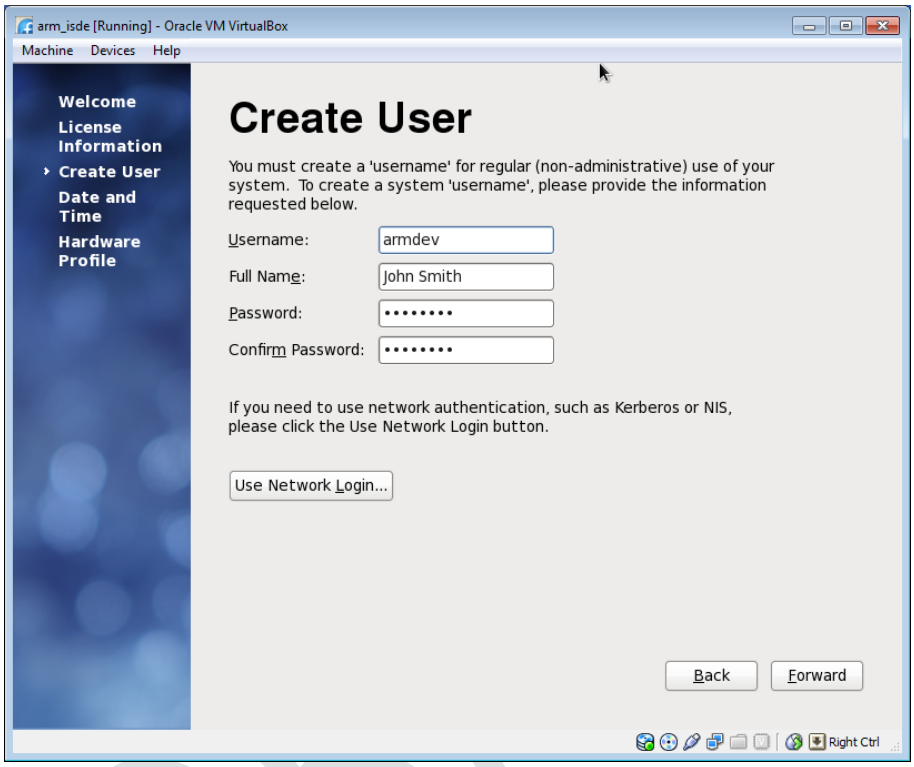
32) Click on the “Start” button.



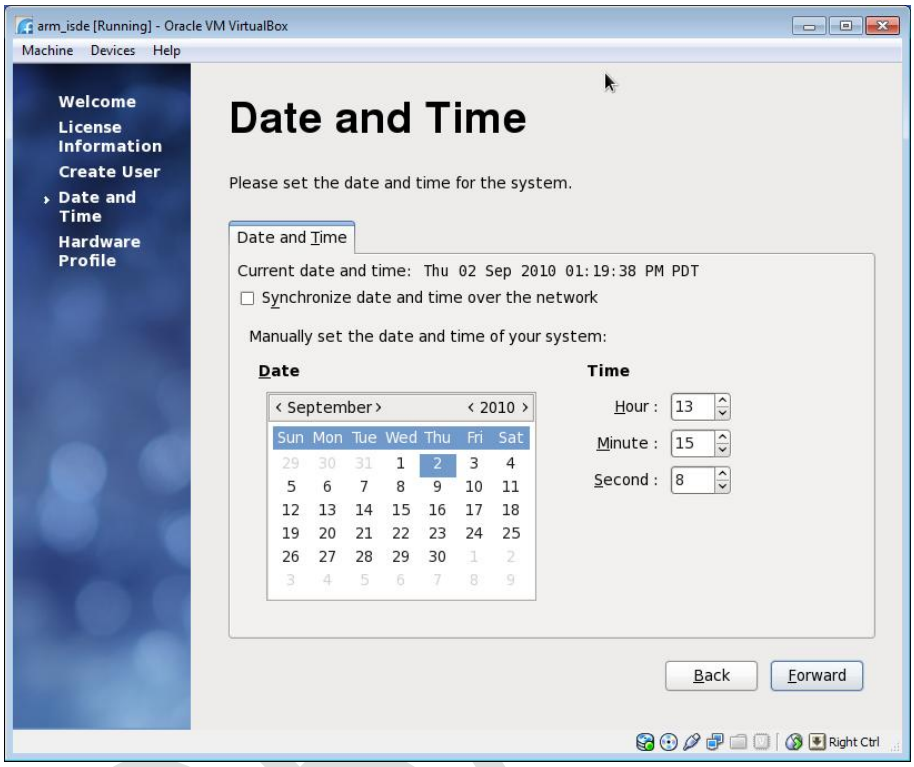
33) Click on the “Forward” button twice to get through the welcome and licensing information.



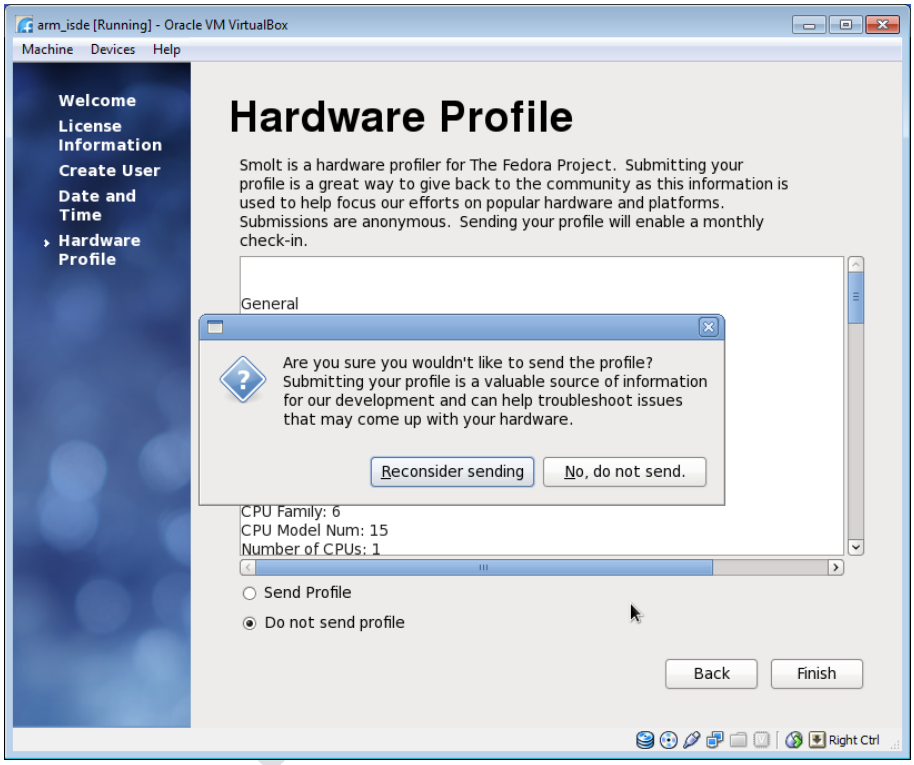
34) Create a new user account by filling out the “Create User” form. Click “Forward” button when the form is complete.



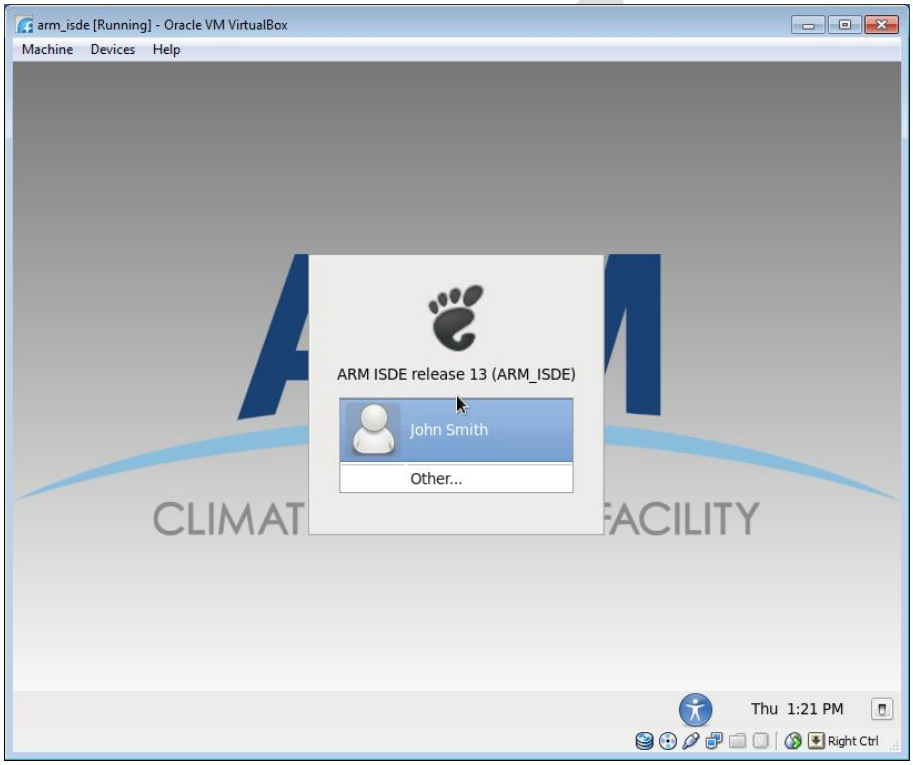
35) Sdfsdf


arm_isde [Running] - Oracle VM VirtualBox
Machine Devices Help
Welcome
License Information
Create User
Date and Time
Hardware Profile
Date and Time
Please set the date and time for the system.
Date and Time
Current date and time: Thu 02 Sep 2010 01:19:38 PM PDT
Synchronize date and time over the network
Manually set the date and time of your system:
Date
‹ September ›
‹ 2010 ›
Sun Mon Tue Wed Thu Fri Sat
29 30 31 1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 1 2
3 4 5 6 7 8 9
Time
Hour : 13
Minute : 15
Second : 8
Back
Forward
Right Ctrl

36) Select “Do not send profile”. Click on the “Finish” button, and click on the “No, do not send” button in the confirmation dialog.



37) Login based on your new account to verify that your installation was successful.



Related Tutorials

<link to all tutorials relying on Install NX Client>

References

Acknowledgements